

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/446,915TEAM 6  
#12  
MB  
10/23/96DATE: 07/11/95  
TIME: 09:53:00

INPUT SET: S4679.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

0380  
1800

## SEQUENCE LISTING

ENTERED 4/23

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Goeddel, David V.  
6 Rothe. Mike  
7  
8 (ii) TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors  
9  
10 (iii) NUMBER OF SEQUENCES: 66  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Genentech, Inc.  
14 (B) STREET: 460 Point San Bruno Blvd  
15 (C) CITY: South San Francisco  
16 (D) STATE: California  
17 (E) COUNTRY: USA  
18 (F) ZIP: 94080  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: patin (Genentech)  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER:  
28 (B) FILING DATE:  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 08/250858  
33 (B) FILING DATE: 27-MAY-1994  
34  
35 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: 08/331394  
37 (B) FILING DATE: 28-OCT-1994  
38  
39 (viii) ATTORNEY/AGENT INFORMATION:  
40 (A) NAME: Dreger, Ginger R.  
41 (B) REGISTRATION NUMBER: 33,055  
42 (C) REFERENCE/DOCKET NUMBER: 897P2  
43  
44 (ix) TELECOMMUNICATION INFORMATION:  
45 (A) TELEPHONE: 415/225-3216  
46 (B) TELEFAX: 415/952-9881

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PATENT APPLICATION US/08/446,915DATE: 07/11/95  
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47 (C) TELEX: 910/371-7168  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 2088 bases  
53 (B) TYPE: nucleic acid  
54 (C) STRANDEDNESS: single  
55 (D) TOPOLOGY: linear  
56  
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
58  
59  
60 CCCAGCCCGG TTCTCTGCCC CAAGGACGCT ACCGCCCAAT GCGAGCAGAA 50  
61  
62  
63 GGCGGCGCAC AGATACAGAA AGTGAGGCTC AGACATATTG AAGACCGTGT 100  
64  
65  
66 GACATAGGGT AGCCAAATGA CAGTGTGAGA AAGTGACATT TACTCAAGGC 150  
67  
68  
69 CACCCAGATA TCCTGGAGGA CCCAGAACCC TGGAGATTCC CATCAGAAAG 200  
70  
71  
72 ACCTTCTGGC CACCTGAAAC CCCAAGATGG CCTCCAGCTC AGCCCCTGAT 250  
73  
74  
75 GAAAACGAGT TTCAATTTGG TTGCCCCCTT GCTCCCTGCC AGGACCCATC 300  
76  
77  
78 GGAGCCCAGA GTTCTCTGCT GCACAGCCTG TCTCTCTGAG AACCTGAGAG 350  
79  
80  
81 ATGATGAGGA TCGGATCTGT CCTAAATGCA GAGCAGACAA CCTCCATCCT 400  
82  
83  
84 GTGAGCCCAG GAAGCCCTCT GACTCAGGAG AAGGTTCACT CTGATGTAGC 450  
85  
86  
87 TGAGGCTGAA ATCATGTGCC CCTTTGCAGG TGTTGGCTGT TCCTTCAAGG 500  
88  
89  
90 GGAGCCCACA ATCCATGCAG GAGCATGAGG CTACCTCCCA GTCCTCCAC 550  
91  
92  
93 CTGTACCTGC TGCTGGCGGT CTTAAAGGAG TGGAAATCCT CACCAGGCTC 600  
94  
95  
96 CAACCTAGGG TCTGCACCCA TGGCACTGGA GCGGAACCTG TCAGAGCTGC 650  
97  
98  
99 AGCTTCAGGC AGCTGTGGAA GCGACAGGGG ACCTGGAGGT AGACTGCTAC 700

RAW SEQUENCE LISTING  
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TIME: 09:53:10

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100  
101  
102 CGGGCACCTT GCTGTGAGAG CCAGGAAGAA CTGGCCCTGC AGCACTTGGT 750  
103  
104  
105 GAAGGAGAAG CTGCTGGCTC AGCTGGAGGA GAAGCTGCGT GTGTTTGCAA 800  
106  
107  
108 ACATTGTTGC TGTCTCAAC AAGGAAGTGG AGGCTTCCCA CCTGGCACTG 850  
109  
110  
111 GCCGCCTCCA TCCACCAGAG CCAGTTGGAC CGAGAGCACC TCCTGAGCTT 900  
112  
113  
114 GGAGCAGAGG GTGGTGGAAT TACAGCAAAC CCTGGCTCAA AAAGACCAGG 950  
115  
116  
117 TCCTGGGCAA GCTTGAGCAC AGTCTGCGAC TCATGGAGGA GGCATCCTTT 1000  
118  
119  
120 GATGGTACTT TCCTGTGGAA GATCACCAAT GTCACCAAGC GGTGCCACGA 1050  
121  
122  
123 GTCAGTGTGT GGCCGGACTG TCAGCCTCTT CTCTCCAGCT TTCTACACTG 1100  
124  
125  
126 CCAAGTATGG TTACAAGTTG TGCCTGCGCT TGTACCTGAA CGGGGATGGC 1150  
127  
128  
129 TCAGGCAAGA AGACCCACCT GTCCCTCTTC ATCGTGATCA TGAGAGGAGA 1200  
130  
131  
132 ATACGATGCT CTCCTGCCCT GGCCTTTCAG GAACAAGGTC ACCTTTATGC 1250  
133  
134  
135 TACTTGACCA GAACAACCGA GAGCATGCTA TTGATGCCTT CCGGCCTGAC 1300  
136  
137  
138 CTGAGCTCAG CCTCCTTCCA GCGGCCACAG AGTGAGACCA ACGTGGCCAG 1350  
139  
140  
141 CGGCTGCCCC CTCTTCTTCC CCCTCAGCAA GCTGCAGTCA CCCAAGCACG 1400  
142  
143  
144 CCTACGTCAA AGATGACACA ATGTTCTTCA AATGCATTGT GGACACTAGT 1450  
145  
146  
147 GCTTAGGGAT GGGGGGAGGG GGTGTCTCCT GACAGAACCA GCTTAGACTG 1500  
148  
149  
150 GGGGACTTAG CTAGACAGCC AGGCCCTGCC TGCCCTTGA GCCCACAGCC 1550  
151  
152

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153 CACGACAAGG AGGAGCCAAG GCTGGCATGA CTTGAGCGCC ACAGCATGCT 1600  
154  
155  
156 GGTATATGGCT GATGTGAGGC TGGAGAAAACG TGTGCGTACA GAGACAGAGT 1650  
157  
158  
159 GGAGGAGAAG ACAGAAGTGC TCTTTTCACA CAGACTACAC GACACCAGGA 1700  
160  
161  
162 GGCCAGCATG CCAGCAGCTT CTGAATGTTG AGACCAGCCT AGATCAGGAT 1750  
163  
164  
165 GAAAAGAGCC AGGCCTGAGG CTTGGACATT GAGCCAAGGC TATGGGGCCT 1800  
166  
167  
168 AAGTGGAGGG GCACTCCTAC CAGGACATTC TCTCGAGGTC AGGGCATAAC 1850  
169  
170  
171 TGGAAAAATG CCCCCATCTC TCTGTTTCAGA CTCAAAACTA GAACCACAGG 1900  
172  
173  
174 GCAGAAGGGT CAGACATTAA TGTGAATTTA ACCTGCCCTG GACTGAGTTC 1950  
175  
176  
177 CTATGTTAAC AGACACGCAA ACAGGTAAAC CCAGAAACTG CCCTGGGAAA 2000  
178  
179  
180 TGCTTTCTGG CTGCATCTGG AGATCTTTGA TGTTTTTTACC GACAAAACAA 2050  
181  
182  
183 ATAACAAAAG CCTTGAATTG CAAAAAAAAA AAAAAAAAAA 2088  
184  
185  
186

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

189 (A) LENGTH: 409 amino acids  
190 (B) TYPE: amino acid  
191 (D) TOPOLOGY: linear  
192

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

193  
194  
195  
196 Met Ala Ser Ser Ser Ala Pro Asp Glu Asn Glu Phe Gln Phe Gly  
197 1 5 10 15  
198  
199 Cys Pro Pro Ala Pro Cys Gln Asp Pro Ser Glu Pro Arg Val Leu  
200 20 25 30  
201  
202 Cys Cys Thr Ala Cys Leu Ser Glu Asn Leu Arg Asp Asp Glu Asp  
203 35 40 45  
204  
205 Arg Ile Cys Pro Lys Cys Arg Ala Asp Asn Leu His Pro Val Ser

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/446,915

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206		50		55		60
207						
208	Pro Gly Ser Pro Leu Thr Gln Glu Lys Val His Ser Asp Val Ala					
209		65		70		75
210						
211	Glu Ala Glu Ile Met Cys Pro Phe Ala Gly Val Gly Cys Ser Phe					
212		80		85		90
213						
214	Lys Gly Ser Pro Gln Ser Met Gln Glu His Glu Ala Thr Ser Gln					
215		95		100		105
216						
217	Ser Ser His Leu Tyr Leu Leu Leu Ala Val Leu Lys Glu Trp Lys					
218		110		115		120
219						
220	Ser Ser Pro Gly Ser Asn Leu Gly Ser Ala Pro Met Ala Leu Glu					
221		125		130		135
222						
223	Arg Asn Leu Ser Glu Leu Gln Leu Gln Ala Ala Val Glu Ala Thr					
224		140		145		150
225						
226	Gly Asp Leu Glu Val Asp Cys Tyr Arg Ala Pro Cys Cys Glu Ser					
227		155		160		165
228						
229	Gln Glu Glu Leu Ala Leu Gln His Leu Val Lys Glu Lys Leu Leu					
230		170		175		180
231						
232	Ala Gln Leu Glu Glu Lys Leu Arg Val Phe Ala Asn Ile Val Ala					
233		185		190		195
234						
235	Val Leu Asn Lys Glu Val Glu Ala Ser His Leu Ala Leu Ala Ala					
236		200		205		210
237						
238	Ser Ile His Gln Ser Gln Leu Asp Arg Glu His Leu Leu Ser Leu					
239		215		220		225
240						
241	Glu Gln Arg Val Val Glu Leu Gln Gln Thr Leu Ala Gln Lys Asp					
242		230		235		240
243						
244	Gln Val Leu Gly Lys Leu Glu His Ser Leu Arg Leu Met Glu Glu					
245		245		250		255
246						
247	Ala Ser Phe Asp Gly Thr Phe Leu Trp Lys Ile Thr Asn Val Thr					
248		260		265		270
249						
250	Lys Arg Cys His Glu Ser Val Cys Gly Arg Thr Val Ser Leu Phe					
251		275		280		285
252						
253	Ser Pro Ala Phe Tyr Thr Ala Lys Tyr Gly Tyr Lys Leu Cys Leu					
254		290		295		300
255						
256	Arg Leu Tyr Leu Asn Gly Asp Gly Ser Gly Lys Lys Thr His Leu					
257		305		310		315
258						

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/446,915**

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*INPUT SET: S4679.raw*

Line

Error

Original Text